

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
7 October 2004 (07.10.2004)

PCT

(10) International Publication Number
WO 2004/086783 A1

(51) International Patent Classification⁷:**H04Q 7/20**

(21) International Application Number:

PCT/US2004/009074

(22) International Filing Date: 24 March 2004 (24.03.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/457,529 24 March 2003 (24.03.2003) US

(71) Applicant (for all designated States except US): **STRIX SYSTEMS, INC.** [US/US]; 26610 Agoura Road, Calabasas, CA 91302 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KALIKA, Leonid** [US/US]; 2118 Wilshire Boulevard #609, Santa Monica, CA 90403 (US). **BERG, Alexander** [US/US]; 19790 Greenbriar Drive, Tarzana, CA 91356 (US). **ABRAHAM, Gabi** [IL/US]; 5378 Sacramento Drive, Oak Park, CA 91377 (US). **IRANI, Cyrus** [US/US]; 1445 Via Coronel, Palos Verdes Estates, CA 90274 (US). **PECHAC, Pavel** [CZ/CZ]; Zemedemska 4, 160 00 Praha 6 (CZ). **MARTINEZ, Ana, Laura** [UY/US]; 26325 West Bravo Lane, Calabasas, CA 91302 (US).

(74) Agents: **DALEY-WATSON, Christopher, J.** et al.; Perkins Coie LLP, P.O. Box 1247, Seattle, WA 98111-1247 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NODE PLACEMENT METHOD WITHIN A WIRELESS NETWORK, SUCH AS A WIRELESS LOCAL AREA NETWORK

(57) Abstract: The disclosure includes a method of and associated system for placing nodes (104-109) in a wireless local area network (WLAN). The method includes receiving user-specified parameters regarding the network. The parameters can include a layout of a building or other space, and requirements for the WLAN. An algorithm then employs these parameters to automatically create an optimized layout of multiple wireless access points (104-109) for the WLAN. The method can display the layout and provide various types of information to the user.